

EXHIBIT 38

PROPOSED INTERNATIONAL PLUMBING CODE AMENDMENTS IPC 2006

501.2 **Water heater as space heater.** Where a combination potable water heating and space heating system required water for space heating [~~at temperatures higher than 140 degrees F (60 degrees C)~~], a master thermostatic mixing valve complying with ASSE 1017 shall be provided to limit the water supplied to the potable hot water distribution system to a temperature of [.] 130 degrees F (60 degrees C) or less. The potability of the water shall be maintained throughout the system.

501.6 **Water temperature control in piping from tank-less heaters.** The temperature of water from tank-less heaters shall be a maximum of [.] 130 degrees F (60 degrees C) when intended for domestic uses. When a tempering device is used to limit the maximum water distribution system temperature is shall conform to ASSE 1017. This provision shall not supersede the requirement for protective shower valves in accordance with Section 424.3.

Add new section:

501.9 **Minimum water heater temperatures.** Hot water storage tanks 20 gallons or larger shall be maintained at a minimum temperature of 140 degrees F and shall be quipped with a temperature controlling device conforming to ASSE 1017 to provide to maximum hot water temperatures to faucets as required by this code. This section shall not apply to any hot water storage pre-tank as installed in a solar thermal system.

(Justification:

Most solar thermal systems used for domestic hot water in the state would include a pre-tank that stores the thermal energy harnessed by the solar collectors. The pre-tank temperature typically could be as low as incoming water temperatures and as high as 145 degrees. In all cases the pre-tank is then piped onto the cold water inlet of the conventional domestic water heater in the building.)